PALIMPSESTOV, M. A.

"An Approach to the Appearance of Sheep Mites (Psoroptes Ovis Gaiz.) Which are Resistant to Generally Used Acarioides."

Tenth Conference on Parasitological Problems and Diseases with Natural Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Khar'kov Veterinary Institute

SHEVTSOV, Aleksandr Alekseyevich; ZASKIND, Lyubov' Nisonovna; PALIMPSESTOV, M.A., prof., otv.red.; PASHCHINSKAYA, G.N., red.; TROFIMENKO, A.S., tekhred.

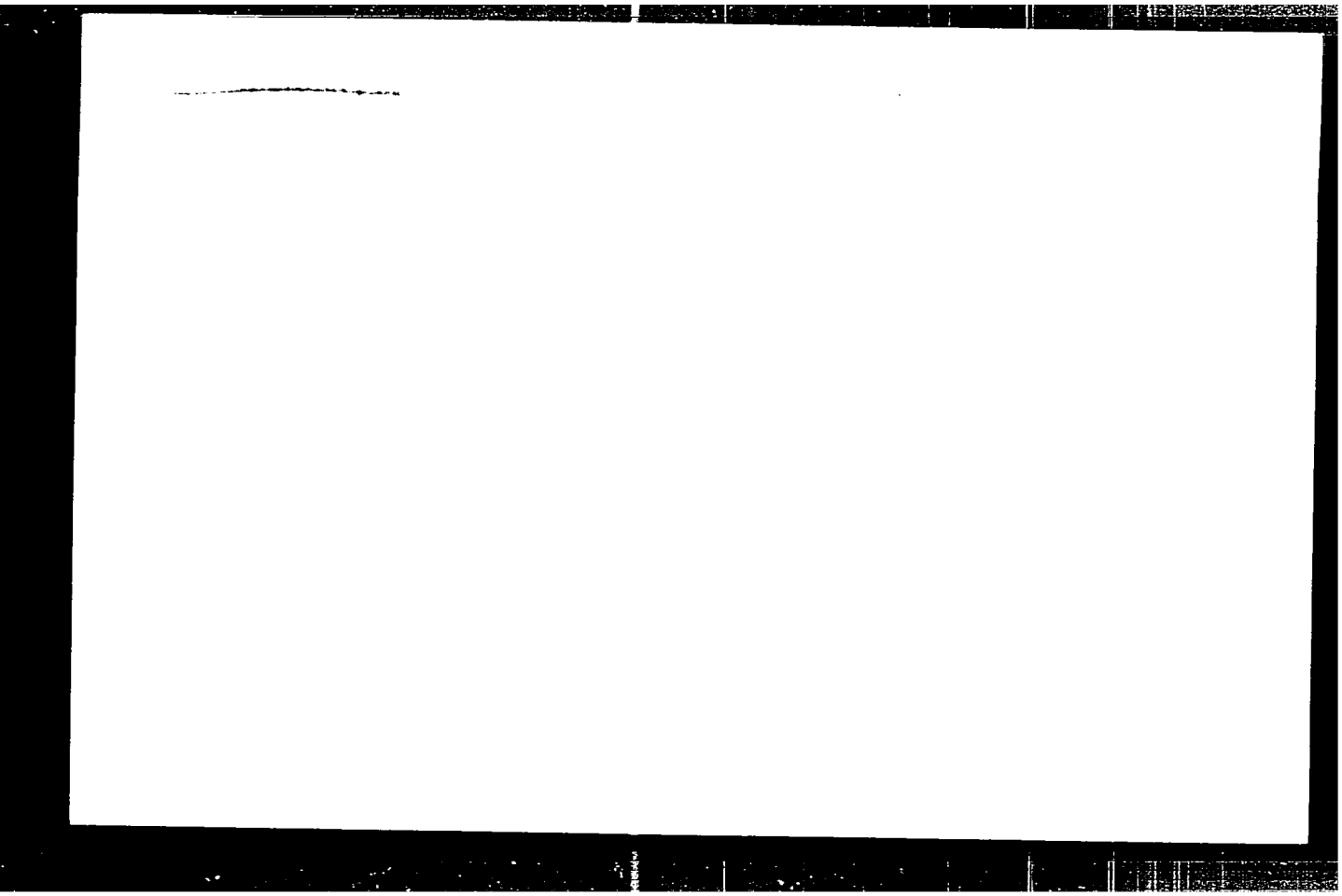
[Helminths and helminthiases of domestic water fowl] Gel'minty i gel'mintozy domashnikh vodoplavaiushchikh ptits. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1960. 444 p. (MIRA 13:7)

(Worms, Intestinal and parasitic) (Parasites--Ducks) (Parasites--Geese)

COUNTRY : USSR R
CATEGORY : Diseases of Farm Animals. Diseases Caused by Helminths
ABS. JOUR. : RZhBiol., No. [illegible] 1959, No. 26016
AUTH. : [illegible]; [illegible]; [illegible]*
INST.
TITLE : Effectiveness of Sulfanilamide Preparations in Piety ovul[illegible]
ORIG. PUB. : [illegible]
ABSTRACT : [illegible] of the effectiveness of sulfanilamide preparations was conducted on 206 coarse-wool sheep of various ages, chiefly 7-8 months old. The aqueous solution of norsulfazol (sulfathiazole) (I) is an effective anthelminthic agent. The administration of [illegible] of the solution of I

*I. Ya.

CARD: 1/2



PALIMSESTOV, M. A. (Professor), TIMCHENKO, A. D., (Candidate of Veterinary Scineces, Kharkov Zooveterinary Institute) and LUPINOS, I. T. (Veterinary Surgeon, poultry breeding sovkhoz "imeni 1 Maya", Kharkov Oblast)

"Medicinal effectiveness of furazolidone in chicken coccidiosis"

Veterinariya, vol. 39, no. 4, April 1962 p. 46

PALIMPSESTOV, Mikhail Aleksandrovich[Palimpsestov, M.O.], prof., doktor veter. nauk; CHEBOTAREV, Roman Semenovich [Chebotar'ov, R.S.], akademik; SHEVTSOV, Aleksandr Alekseyevich [Shevtsov, O.O.], dots., kand. veter. nauk; ZASKIND, Lyubov' Naumovna, kand. veter. nauk; VENKOVA, G.I. [Vienkova, H I.], red.; KALASHNIKOVA, C.G.[Kalashnykova, O.H.], tekhn. red.

[Veterinary parasitology] Veterynarna parazytologiia. Kyiv, Derzhsil'hospvydav, URSR, 1962. 421 p. (MIRA 16:5)

1. Akademiya nauk Belorusskoy SSR (for Chebotarev).
(Veterinary parasitology)

PALIMPSESTOV, S. A.

PALIMPSESTOV, S. A. (Chief Veterinarian, Samilov rayon, Saratov oblast) and KALINNIKOVA, T. A. (Director of the Rayon Veterinary Hospital). Use of kerosine in tympanites of cattle.

So: Veterinariya; 23; 7; July 1946; uncl.
TASCON

PALIN, A.I.

Analysis of prescriptions in the drugstores of Riga. Apt. D.c
14 no.2:59-62 Mr-Ap '65. (MIRA 19:1)

1. Apteka No.2, Riga.

PAULI, A.I., provizor

Some materials on the analysis of prescriptions in Riga pharmacies.
Apt.delo 8 no.4:3-8 Jl-Ag '59. (MIRA 12:10)
(RIGA--MEDICINE--FORMULAE, RECEIPTS, PRESCRIPTIONS)

PALIN, A.I., LISITSKIY, K.M., KHOLSHTEYN, R.Ya., KLIMOVICH, T.P., otv. red.; SEMILETOVA, A.I., otv. red.; GERSHTEYN, G.Ye., red.

[Handbook on prepared drugs] Spravochnik po gotovym lekarstvennym formam. Sost. A.I.Palin, K.M.Lisitskii, R.IA. Kholshtein. Otv. red. T.P.Klimovich, A.P.Semiletova. Riga, Glav. aptechnoe upr. Min-va zdrav. okhraneniia Latviiskoi SSR, 1961. 744 p. (MIRA 16:11)
(Pharmacy--Handbooks, manuals, etc.)

PALIN, [illegible].

Plants, [illegible]

Experiments of young naturalists with potted [illegible] ants. [illegible]

9. Monthly List of Russian Accessions, Library of Congress, April 1958. Unclassified.

FAIN, F. S.

Valence (Theoretical C...)

The study of valence in the 7th and 8th grades. Khim. v shkole No. 1, 195 .

Monthly List of Russian Accessions, Library of Congress, October 195 . UNCLASSIFIED.

PALIN,P.S. (g. Shuya Ivanovskoy oblasti)

Growing figs in pots, tubs, and ditches in Shuya. Biul.Glav.bot.
sada no.21:101-102 '55. (MLRA 8:12)
(Shuya--Fig)

NAZAREVSKIY, S.I.; MAKAROV, S.N.; PILIPENKO, F.S.; GERASIMOV, M.V.; IL'INSKAYA, M.L.; VEKSLER, A.I., (deceased); VASIL'YEV, I.M.; IL'INA, N.V.; SOKOLOV, S.Ya.; LOZINA-LOZINSKAYA, A.S.; SAAKOV, S.G.; ZALESSKIY, D.M.; AVDGRIN, N.A.; IVANOV, M.I.; PRIKLADOV, N.V.; SOBOLEVSKAYA, K.A.; SALAMATOV, M.N.; MALINOVSKIY, P.I.; LUCHNIK, A.I., KRAVCHENKO, O.A., VEKHOV, N.K.; GROZDOV, B.V.; MASHKIN, S.; BOSSE, G.G.; PALIN, P.S., (g. Shuya, Ivanovskoy oblasti); MATUKHIN, ZATVARNITSKIY, G.F.; GRACHEV, N.G., CHERKASOV, M.I.; KIRKOPULO, Ye.N.; LEVITSKAYA, A.M.; GRISHKO, N.N.; LIKHVAR', D.F. VIL'CHINSKIY, N.M.; LYPA, A.L., OREKHOV, M.V.; SHCHERBINA, A.A.; TSYGANKOVA, V.Z.; BARANOVSKIY, A.L.; GEORGIYEVSKIY, S.D.; STEPUNIN, G.A. OZOLIN, E.P.; LUKAYTENE, M.K.; KOS, Yu.I.; VAIL'YEV, A.V.; RUKHADZE, P.Ye.; VASHADZE, V.N.; SHANIDZE, V.M.; MANDZHAVIDZE, D.V.; KORKESHKO, A.L.; KOLESNIKOV, A.I., (g. Sochi); SERGEYEV, L.I.; VOLOSHIN, M.P.; RYBIN, V.A., IVANOVA, B.I.; RYABOVA, T.I.; GAREYEV, E.Z.; RUSANOV, F.N.; BOCHANTSEVA, Z.P.; BLINOVSKIY, K.V. KLYSHEV, L.K.; MUSHEGYAN, A.M.; LEONOV, L.M.

Talks given by participants in the meeting Biul.Glav.bot.sada no.15: 85-182 '53. (MLRA 9:1)

1. Glavnyy botanicheskiy sad Akademii nauk SSSR (for Makarov, Pilipenko, Gerasimov, Il'inskaya, Veksler); 2. Akademiya komunal'nogo khozyaystva imeni K.D. Pamfilova (for Vasil'yev); 3. Vsesoyuznaya sel'skokhozyaystvennaya vystavka (for Il'ina); 4. Botanicheskiy sad Botanicheskogo instituta imeni V.L.Komarova Akademii nauk SSSR (for Sokolov, Lozina-Lozinskaya, Saakov); 5. Botanicheskiy sad Leningradskogo

(continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 2

gosudarstvennogo ordena Lenina universiteta (for Zalesskiy [illegible]. Pol-
yarno-Al'piyskiy botanicheskiy sad Kol'skogo filiala imeni S.M. Kirova
Akademii nauk SSSR (for Avrorin); 7. Botanicheskiy sak pri Tomskom
gosudarstvennom universiteta (for Ivanov); 8. Botanicheskiy sad pri
Tomskom gosudarstvennom universiteta imeni V V. Kuybysheva (for Prik-
ladov); 9. TSentral'nyy Sibirskiy botanicheskiy sad Zapadno-Sibirsko-
go filiala Akademii nauk SSSR (for Salamatov, Sobolevskaya); 10. Bo-
tanicheskiy sad Irkutsko gosudarstvennogo universiteta imeni A.A.
Zhdanova (for Malinovskiy); 11. Altayskaya plodovo-yagodnaya opyt-
naya stantsiya (for Luchnik); 12. Bashkirskiy botanicheskiy sad (for
Kravchenko); 13. Lesostepnaya selektsionnaya opytnaya stantsiya deko-
rativnykh kul'tur tresta Goszelenkhoz Ministerstva kommunal'nogo kho-
zyaystva RSFSR (for Vekhov); 14. Bryanskiy lesokhozyaystvennyy insti-
tut (for Grozdov); 15. Botanicheskiy sad pri Voronezhskom gosudar-
stvennom universitete (for Mashkin); 16. Orekhovo-Zuyevskiy pedago-
gicheskiy institut (for Bosse); 17. Botanicheskiy sad pri Rostovskom
gosudarstvennom universitete imeni V.M. Molotova (for Matukhin); 18.
Botanicheskiy sad Kuybyshevskogo gorodckogo otdela narodnogo obrazo-
vaniya (for Zatvarnitskiy); 19. Zoobotanicheskiy sad pri Kazanskom
universitete (for Grachev); 20. Gosudarstvennyy respublikanskiy
proektnyy institut "Giprokommunstroy" (for Cherkasov); 21. Botani-
cheskiy sad Odesskogo gosudarstvennogo universiteta imeni I.I. Mechni-
kova (for Kirkopulo); 22. Botanicheskiy sad pri Dnepropetrovskom
gosudarstvennom universitete (for Levitskaya); 23. Botanicheskiy sad

(continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 3.

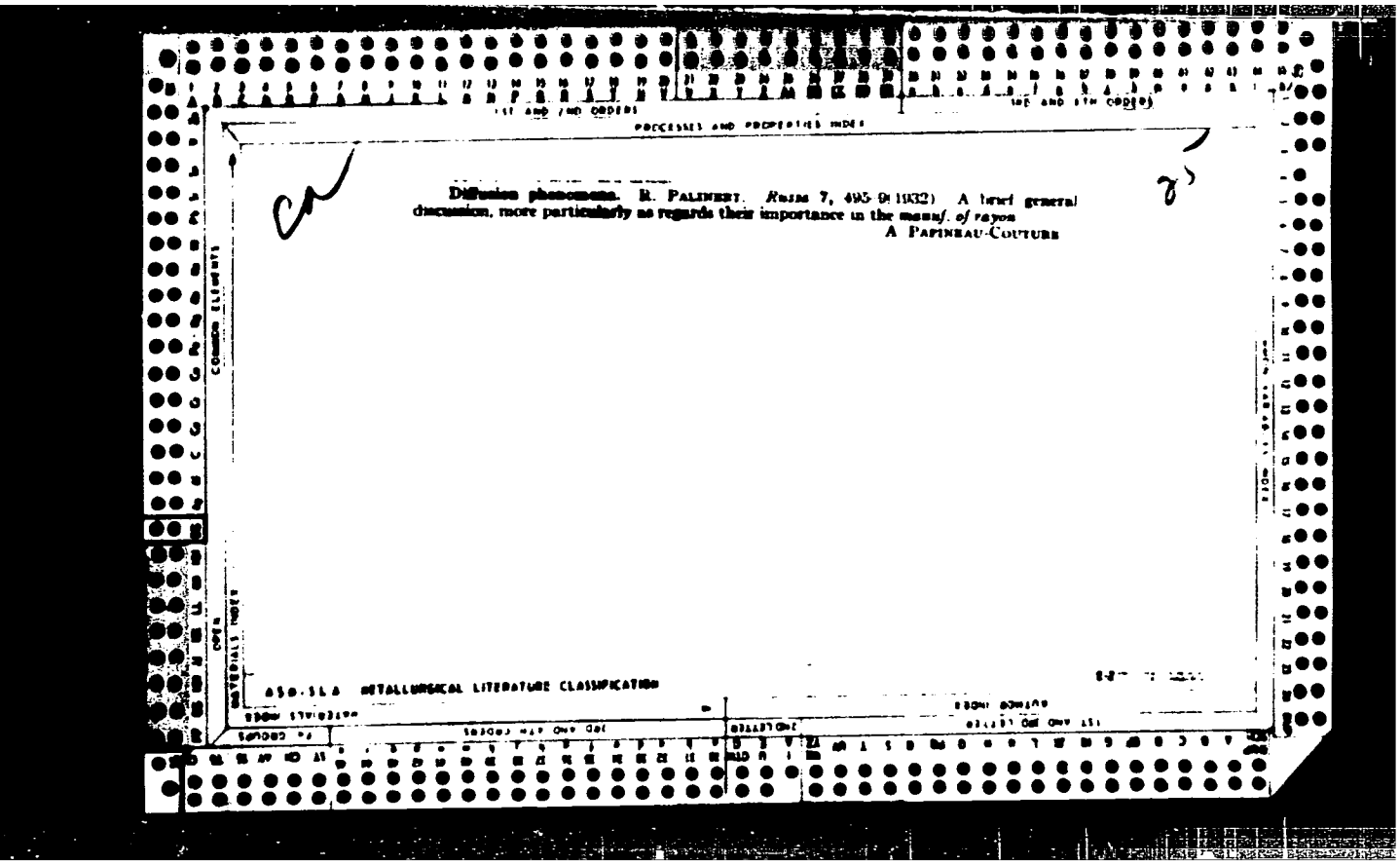
Akademii nauk USSR (for Grishko, Likhvar', Vil'chinskiy); 24. Kiyevskiy sel'skokhozyaystvennyy institut (for Lypa); 25. Botanicheskiy sad Chernovitskogo gosudarstvennogo universiteta (for Orekhov); 26. Botanicheskiy sad pri L'vovskom gosudarstvennom universitete imeni Iv. Franko (for Shcherbina); 27. Botanicheskiy sad Khar'kovskogo gosudarstvennogo universiteta imeni A.M. Gor'kogo (for TSygankova); 28. Botanicheskiy sad Zhitomirskogo sel'skokhozyaystvennogo instituta (for Baranovskiy); 29. Botanicheskiy sad Akademii nauk Belorusskoy SSR (for Georgiyevskiy); 30. Institut biologii Akademii nauk Belorusskoy SSR (for Stepunin); 31. Botanicheskiy sad Akademii Litovskoy SSR (for Lukaytene); 32. Botanicheskiy sad Latviyskogo gosudarstvennogo universiteta (for Ozolin); 33. Kabardinskiy krayevedcheskiy botanicheskiy sad (for Kos); 34. Sukhumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Vasil'yev, Rukhadze); 35. Batumskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Shanidze); 36. Tbilisskiy botanicheskiy sad Akademii nauk Gruzinskoy SSR (for Mandzhavidze); 37. Sochinskiy park Dendrariy (for Korkeshko); 38. Gosudarstvennyy Nikitskiy botanicheskiy sad imeni V.M. Molotova (for Sergeyev, Voloshin); 39. Krymskiy filial Akademii nauk SSSR (for Rybin); 40. Botanicheskiy sad Moldavskogo filiala Akademii nauk SSSR (for Ivanova); 41. Botanicheskiy sad Botanicheskogo instituta Akademii nauk Tadzhikskoy SSR (for Ryabova); 42. Botanicheskiy sad Kirgizskogo filiala Akademii nauk SSSR (for Gareyev); 43. Botanicheskiy

(continued on next card)

NAZAREVSKIY, S.L.---(continued) Card 4.

sad Akademii nauk Usbekskoy SSR (for Rusanov, Bochantseva); 44. Botanicheskiy sad Akademii nauk Turkmenskoy SSR (for Blinovskiy); 45. Respublikanskiy sad Akademii nauk Kazakhskoy SSR (for Klyshev, Mushegyan).

(Botanical gardens)



PROCESSES AND PROPERTIES INDEX

Diffusion phenomena. R. PALIERET. *Rayon* 7, 495–9 (1932). A brief general discussion, more particularly as regards their importance in the manuf. of rayon
A PAPINEAU-COUTURE

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

S/181/61/003/010/015/036
B111/B138

AUTHORS: Andreyev, L. A., and Zalinge, Ya.

TITLE: Effect of deformation on the work function of monocrystalline molybdenum filaments

PERIODICAL: Fizika tverdogo tela, v. 3, no. 10, 1961, 3076-3086.

TEXT: The effect of deformation on the work function was determined in high vacuum (5 - $2 \cdot 10^{-8}$ mm Hg) by measuring the contact potential using the vibrating chord method. The work function was found to decrease in uniaxial elongation. Tests were conducted at different deformation rates (1.2 - 30 mm/min). The measuring setup based on the principle of a vibrating capacitor formed by two МК(MK) molybdenum filaments (specimen and reference electrode) 50μ in diameter, which were placed in a vacuum vessel. The static capacitance of the capacitor was 4 pf. To remove impurities, the filaments were first annealed at 1000°C in hydrogen, then at 1800 - 1900°C in vacuum to produce the granular structure. The use of

Card 1/4

the molybdenum filaments as electrodes made it easier to produce a pure metal surface and to effect the deformation. The filaments were made to vibrate by ponderomotive forces (alternating current [illegible] cps, which varied capacity by 0.02 pf at most. The potential difference between the molybdenum filaments for different tubes was ± 50 mv, and was measured with an error of 0.01 v. The measured values indicated that the work function $\Delta\varphi$ increased with elongation $\Delta l/l$. At 5% deformation, $\Delta\varphi$ ranged between 40 and 60 mv for all specimens. At first, in the elastic range $\Delta\varphi$ hardly changed at all, then, with further deformation, it rose slowly, then rapidly, and finally slowly again. It made no difference whether the elongation was continuous or discontinuous. $\Delta\varphi$ remained constant for several hours after stress was relieved. Tests made with oxidized monocrystalline molybdenum filaments produced almost equal $\Delta\varphi = f(\Delta l/l)$ curves. At a deformation rate of 30 mm/min, $\Delta\varphi$ was observed to rise steeply at the same $\Delta l/l$ values as with lower rates (6 and [illegible] mm/min). The region of the steepest rise of $\Delta\varphi$ shifted in this case to smaller $\Delta l/l$. This may be explained by the effect of the deformation rate on the microstructure of the filament surface. Professor A. A. Zhuknovitskiy is thanked for discussions. There are 7 figures and 12 references. 2 Soviet and 10 non-Soviet. The three most recent references to English-language publications read as follows:

Card 2/4

Effect of deformation on the work ... S/181/61/003/010/016/036
B111/B138

E. N. Clarke, H. E. Farnsworth, Phys. Rev., 85, no. 3, 484, 1952. - T. J. Lewis. Proc. Phys. Soc., 67B, no. 3, 187, 1954. - G. Wallis, H. E. Farnsworth. J. Appl. Phys., 27, no. 6, 594, 1956.

ASSOCIATION: Moskovskiy institut stali im. I. V. Stalina
(Moscow Steel Institute imeni I. V. Stalin)

SUBMITTED: May 16, 1961

Fig. 1. Diagram of measuring arrangement
Legend: (1) tungsten spring; (2) transverse bar for regulating distance between filaments; (3), (7) molybdenum filaments; (4) getter flask; (5) tantalum getter; (6) glass branch; (8) glass tube with sliding iron core; (9) tungsten spring for regulating filament deflection; (10) external contact; (11) contact for vacuum-evaporated films; (12) tube wall. (1) Junction "A"; (2) top view of junction "A". All data are in mm.

Card 3/4

HUNGARY

PALINKAS, Dr Mrs Emilia S., Bekescsaba Institute of Veterinary Hygiene (Bekescsabai Allategeszsegugyi Intezet), (Director: Dr Otto PROKOPOVITSCH).

"Acariasis of Honey Bees and Its First Occurrence in Hungary"

Budapest, Magyar Allatorvosok Lapja, Vol 21, No 8, Aug 66; pp 340-342.

Abstract [Author's English summary, modified]: To treat acariasis, Folbex smoke strips containing chlorobenzylate is most effective. The treatment can be started when the temperature exceeds 10°C. It should be carried out at evening twilight, and before beginning it, the flying opening should be carefully closed. Hungary was completely free from this bee disease prior to May 1966. Samples taken after Folbex treatment were carried out and after observing the proper sanitary regulations showed that at the present time there is no acariasis of honey bees in Hungary. 13 References, mostly Western.

1/1

FRANCIA, Jozsef, foenergetikus; GATI, Geza; PALINKAS, Ferenc

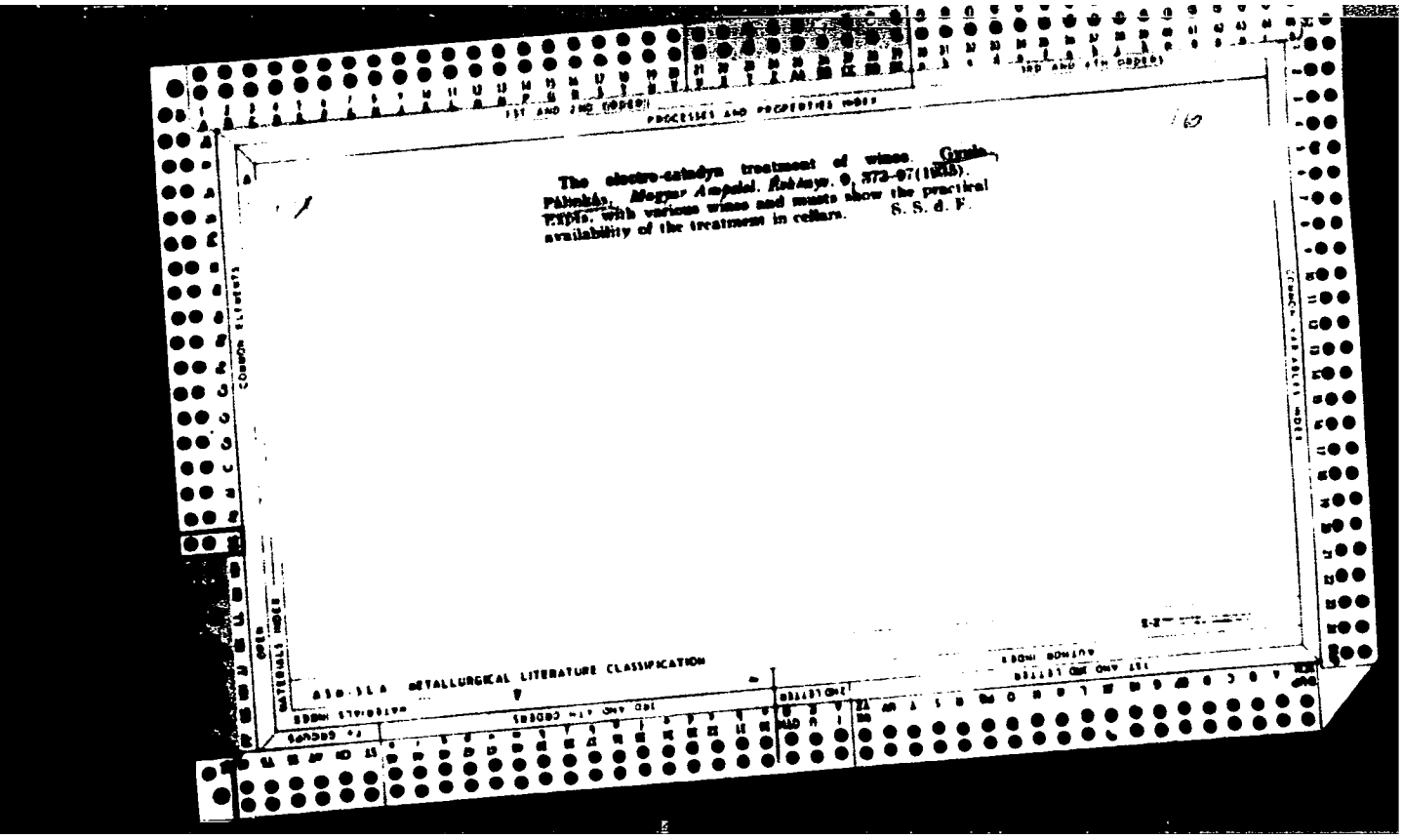
Electric power economy in the metallurgical and machine industries. Elektrotechnika 52 no.1/2:42-52 '59.

1. Koho- es Gepipari Miniszterium (for Francia).
2. Orszagos Villamosenergia Felugyelet (for Gati).
3. Eszakmagyarorszagi Aramszolgaltato Vallalat V. Korzeti Villamosenergia Felugyelet vezetoje (for Palinkas).

GATI, Geza; PALINKAS, Ferenc

Remarks. Elektrotechnika 52 no.1/2:48-52 '59.

1. OVILLEF (for Gati). 2. EMASZ V. Korzeti Villamosenergia Felugyelet vezetoje (for Palinkas).



The electro-catalysis treatment of wines. Gyula Pálinkás. *Magyar Kémiai. Folyóirat*, 9, 373-97(1953). English. With various wines and musts show the practical availability of the treatment in cellars. S. S. d. F.

PALINKAS, Istvan

Conference on the problems of the calculation of prime cost and income in the agriculture. Magy tud 68 no.10:627-628 O '61.

1. Igazgato h., Mezogazdasagi Uzemtani Intezet.

PALINKAS, J.

"Quartz, atom, and molecule clocks." p. 311

FIZIKAI SZEMLE. (Eotvos Lorand Fizikai Tarsulat) Budapest, Hungary
Vol. 8, No. 10, Dec. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 6, June 1959.
Uncl.

Palinkas, J.

HUNGARY/Pharmacology and Toxicology - Tranquilizers. V.

Abs Jour : Ref Zhur - Biol., N 2, 1959, 9009

Author : Szabo, G., Zsoldos, I., Palinkas, J.

Inst : Hungarian AS

Title : Action of Chlorpromazine (Largactil) on the Renal Function in Hypertensive Patients.

Orig Pub : Acta med. Acad. sci. hung., 1957, 10, No 3, 327-332

Abstract : 25 mg. of chlorpromazine (C) were administered intravenously in 20 ml. of physiological solution to eight patients with hypertension of medium severity. In all cases, a short-lived decrease of the blood pressure was noted. Systolic pressure decreased, on the average, by 35 mm. and diastolic pressure by 22 mm. of a mercury column. C exerted no harmful action on the kidneys and did not essentially change the renal blood flow,

Card 1/2

SZABO, Gy., dr.; ZSOLDOS, I., dr.; PALINKAS, J., dr.

Effect of chlorpromazine (largactil) on renal function in hypertension. Orv. hetil. 98 no.5-6:93-95 10 Feb 57.

1. A Budapesti Orvostudomanyi Egyetem I. sz. Belklinikajanak (Igazgato: Rusznyak, Istvan, dr. egyetemi tanar) kozlemenye.
(HYPERTENSION, ther.
chlorpromazine, eff. on renal funct. (Hun))
(CHLORPROMAZINE, ther. use
hypertension, eff. on renal funct. (Hun))
(KIDNEYS, in various dis.
hypertension, eff. of chlorpromazine on funct. (Hun))

PALINKAS, JANOS

FOLDI Mihalyi, Dr.; ZSOLDOS, Istvan, Dr.; KOLTAY, Edit, PALINKAS Janos, Dr.; REV, Judit, Dr.

Effects of acute diminution in the volume of actually circulating blood on kidney function in renal diseases. Magy. belorv. arch. 10 no.2-3:43-45 Apr-June 57.

1. A Budapesti Orvostudomanyi Egyetem I sz. Belklinikajanak (igazgato: Rusznyak Istvan dr. egyetemi tandr) kozlemenye.

(LIVER DISEASES, physiol.
eff. of acute dimution in volume of actually circulating blood on kidney funct. (Hun))

KATONA, Laszlo, dr.; LEVENDEL, Laszlo, dr.; FOLDES, Istvan, dr.; PALINKAS, Janos, dr.

Use of tranquilizers in clinical tuberculosis. Tuberkulozis 13 no2:57-60 F '60.

1. A Szamuely Tibor Tbc Gyogyintezet, Budapest es az Orszagos Koranyi Tbc Intezet, Budapest kozlemenye.
(MEPROBAMATE ther.)
(TUBERCULOUS PATIENTS psychol.)

HUNGARY/Radio Physics - Generation and Conversion of Radio Frequency Oscillations I-3

Abs Jour : Ref Zhur - Fizika, No 1, 1959, No 1529

Author : Palinkas Janos
Inst : -
Title : Ignition System for A Spart Switch

Orig Pub : Magyar tud. akad. Kozp. fiz. kutato int. kozl., 1957, 5, No 5, 493-495

Abstract : A circuit of a pulse generator, generating pulses of duration of approximately several microseconds with a repetition frequency of 50 cycles and an amplitude of approximately 16 to 20 kv is given. The generator is used for ignition in a spark switch.

Card : 1/1

FOGARASSY, Balint; PALINKAS, Jozsef

Quartz, atom and molecule clocks. Fiz szemle 8 no.10:311-314 [illegible] 1958.

1. Kozponti Fizikai Kutato Intezet.

PALINKAS, Karolyne

Social insurance councils are working well at the base radical center. Magy vasut 8 no.13:4 6 Jl '56.

PALINKAS, Karolyne

Salute to a veteran railroadman. Magy vasut 7 no.16:5 15 Ag '63.

LEHMANN, Edit, dr.; PALINKAS, Keresztely

Technological description of the Hungarian-manufactured "kervit" tiles. Epitoanyag 15 no.6:220-223 Je '63.

1. Epitoanyagipari Kozponti Kutato Intezet Finomkeramiai Osztalya. 2. "Epitoanyag" szerkeszto bizottsagi tagja (for Lehmann).

PALINKAS, L.

PALINKAS, L. - Faipar - Vol. 5, no. 5, May 1955.

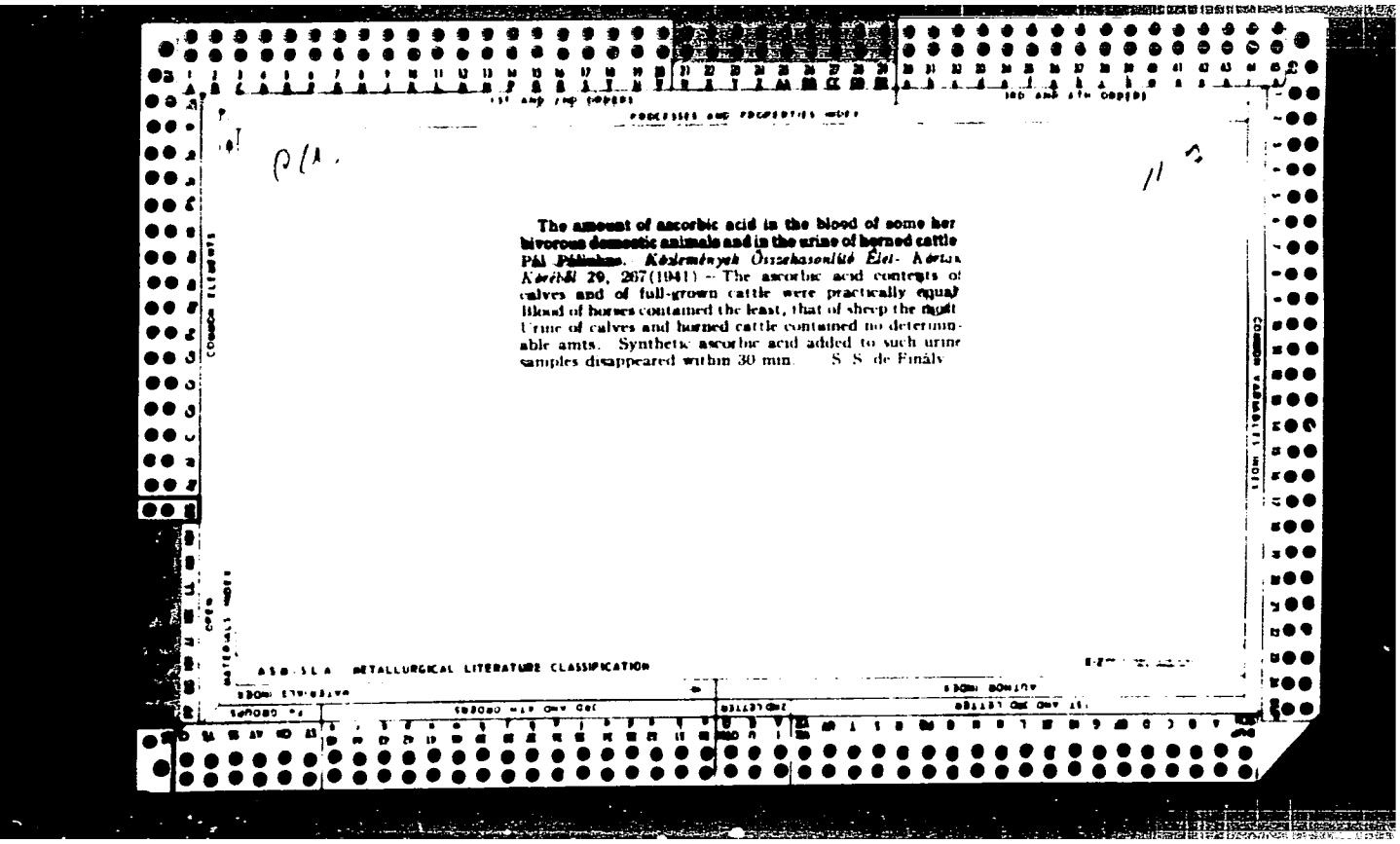
Remarks on the article "Relationship between the Dimension Figures of Masonry Structures and the Joiner." p. 119.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

PALINKAS, L.

"Improvement of the Quality of Lumber In the Cabinetmaking Industry", P. 136, (FAIPAR, Vol. 4, No. 5, May 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.



The amount of ascorbic acid in the blood of some her bivorous domestic animals and in the urine of horned cattle PAI Pálinkás. *Közlemények Összhasonlító Élet- Kórtan Kórából* 29, 267(1941) -- The ascorbic acid contents of calves and of full-grown cattle were practically equal Blood of horses contained the least, that of sheep the most Urine of calves and horned cattle contained no determinable amts. Synthetic ascorbic acid added to such urine samples disappeared within 30 min. S S de Finály

PALINKASEV, Zarko, doc. dr.

Contribution to the study of hypophyseal carcinoma with special reference to forensic aspects. Med. arh. 15 no.3:147-153 My-Je '61.

1. Institut za sudsku medicinu Medicinskog fakulteta u Sarajevu (Sef: prof. dr Miodrag Bucic).
(PITUITARY GLAND neopl)

PALINKASEV, Zarko, doc., dr.

Mediastinal lymphogranulomatosis and its forensic significance. Med. arh. 15 no.6:101-108 N-D '61.

1. Institut za sudsku medicinu Medicinskog fakulteta u Sarajevu (Sef: prof. dr Miodrag Bucic)

(HODGKIN'S DISEASE jurisprudence)
(MEDIASTINUM neopl)

PALINKASHI, I.G.

Cammagraphy pro[illegible] in radiologic examination [illegible] gland. Med. rad. 9 no.11:[illegible] N '64. [illegible]

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni Institut neyrokhirurgii imeni akademika N.N. Burdenko AMN SSSR, Moskva.

KOMOROWSKA, Alina; PALINSKA-WIESE, Zofia; PALUCHOWA, Olga

Colposcopic examination as a method in early complex diagnosis of cervical cancer. Gin. polska 32 no.2:255-260 '61.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych A.M. w Lodzi Kierownik: prof. dr J. Sieroszewski
(CERVIX NEOPLASMS diag)

KROLIKOWSKA, Maria; PALINSKA-WIESE, Zofia; PALUCHOWA, Olga

Diagnosis of cervical cancer. Gin. polska 32 no.2:261-264 '61.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych A.M. w Lodzi Kierownik: prof. dr J. Sieroszewski
(CERVIX NEOPLASMS diag)

KROLIKOWSKA, Maria; PALINSKA-WIESE, Zofia; PALUCHOWA, Olga

Value of vaginal smears in early diagnosis of cancer. Gin. polska 32 no.2:251-254 '61.

1. Z I Kliniki Poloznictwa i Chorob Kobiecych A.M. w Lodzi Kierownik: prof. dr J. Sieroszewski
(VAGINAL SMEARS)
(UTERUS NEOPLASMS diag)

PALINSKA-WIESE, Zofia; BOROWICZ, Krystyna

Clinical and histological considerations on so-called paratypia.
Gin.polska 26 no.2:205-209 Apr-June '55.

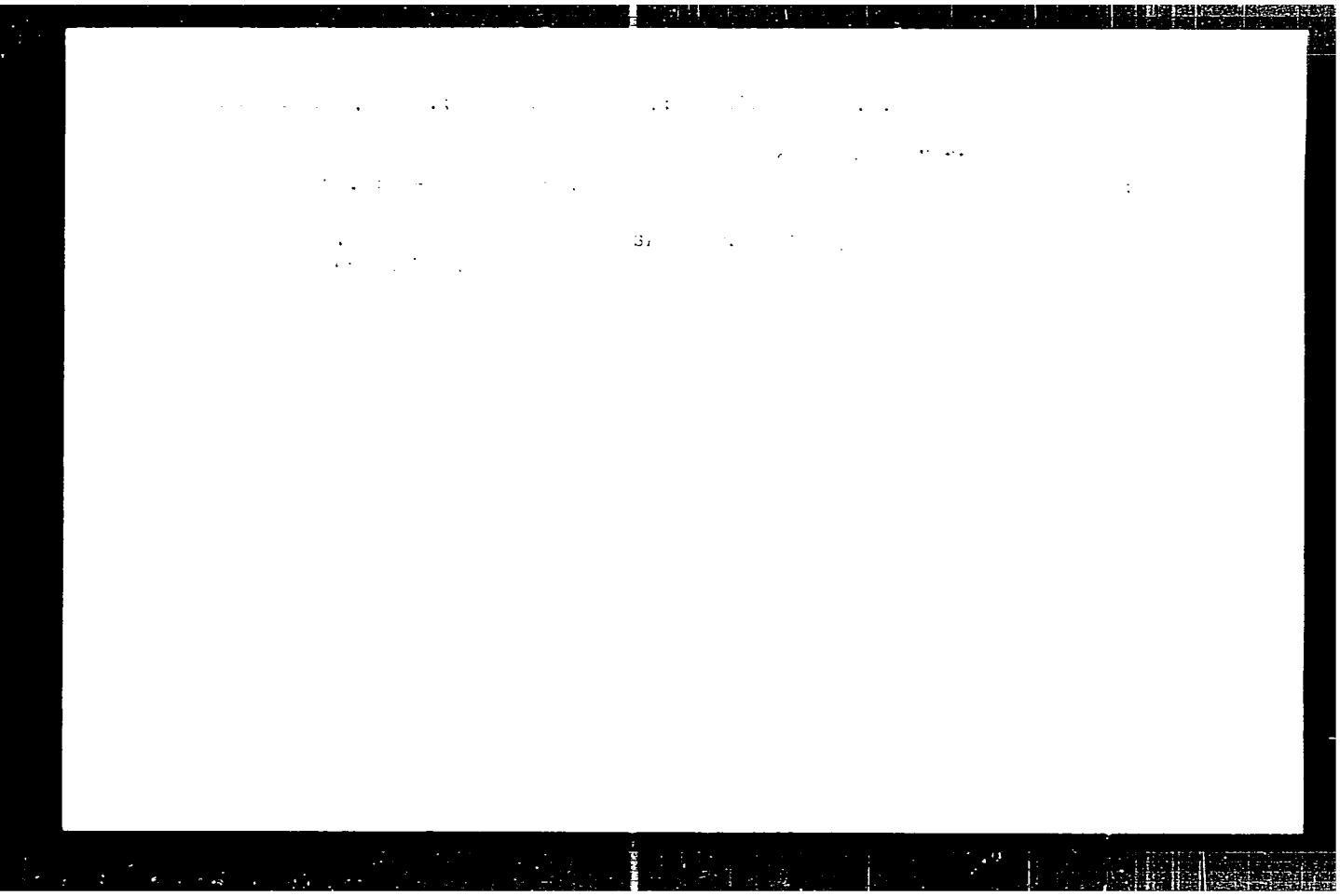
1. Z Kliniki Chorob Kobiecych i Poloznictwa A.M. w Lodzi.
Kierownik: prof. dr J. Sieroszewski i z Zakladu Anatomii Patologicznej A.K. w Lodzi Kierownik: prof.dr A. Pruszczynski.
(VAGINAL SMEARS,
paratypical picture)

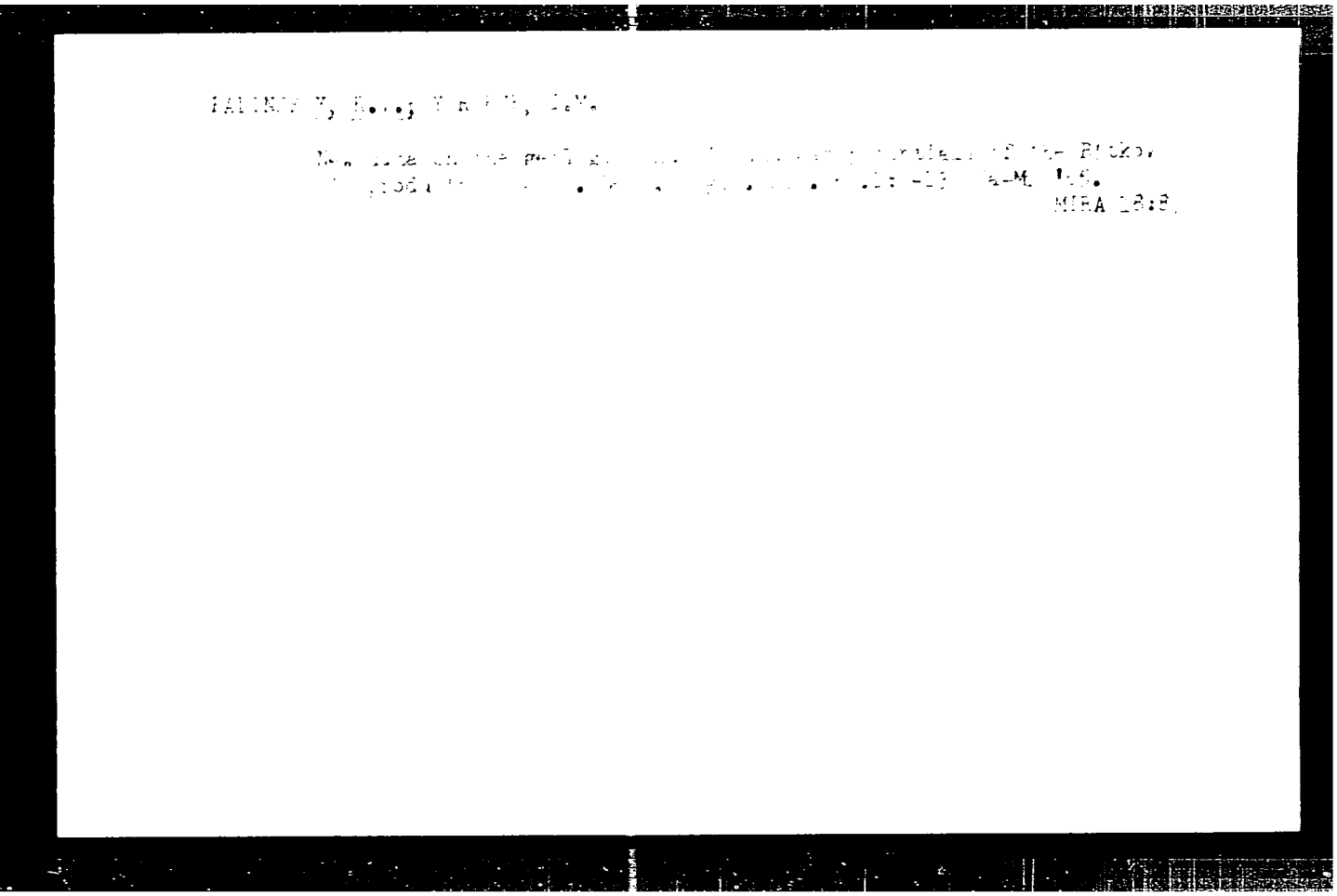
PALINSKA-WIEYEZE, Z.

SEROSHEVSKIY, Yu.; PALYUKH, O.; PALINSKA-[redacted]EZE, Z.

Significance of paratypy in clinical practice. Akush.i gin. 35 no.4: 78-83 Jl-Ag '59. (MIRA 12:11)

1. Iz akushersko-ginekologicheskoy kliniki (dir. - prof. Yu. Seroshevskiy) Meditsinskoy akademii v Lodzi.
(CERVIX UTERI pathol.)





KORSHUN, Ya.P.; PALIKOPSIY, R.V.

Construction of wells for intrawell overflow. Neft. i gaz. prom. no.2:40-42 Apr-Je '65. (MIRA 18:6)

PALIOKHA, I., kand.sel'skokhozyaystvennykh nauk

Aerosols destroy storage pests. Nauka i pered.op.v sel'khoz. 9 no.8:14 Ag '59. (MIRA 12:12)

1. Chernigovskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya.
(Grain--Diseases and pests)
(Aerosols)

BOYKO, Ye.; PALIOKHA, I., kand.sel'skokhozyaystvennykh nauk; KOLOSHA, O., kand.sel'skokhozyaystvennykh nauk

Large-scale experiments on collective farms. Nauka i pered. op. v sel'khoz. 8 no.9:48-49 S '58. (MIRA 11:10)

1. Nosovskoye otdeleniye opytnogo khozyaystva Chernigovskoy gosudarstvennoy sel'skokhozyaystvennoy stantsii. 2. Zaveduyushchiy otdelom polevodstva Chernigovskoy gosudarstvennoy sel'skokhozyaystvennoy stantsii (for Boyko).
(Agriculture--Experimentation)

PALIOKHA, I.V.

Introducing benzene hexachloride into the soil to control sugar beet weevil larvae. Nauch.trudy Inst.ent.i fit. AN URSR 7:99-103 '56. (MLRA 10:3)
(Benzene hexachloride) (Sugar beets--Diseases and pests)

PALIOKHA, I.V.; ZHIGAYEV, G.N.

Control of the larvae of sugar beet weevils by working benzene hexachloride into the soil. Sakh.prom.30 no.2:67-70 F '56. (MLRA 9:7)

1.Institut entomologii i fitopatologii AN USSR.
(Benzene hexachloride) (Sugar beets--Diseases and pests)

PALISA, (fnu) (Capt. MD)

Coauthor, with Capt. KRAL (fnu), MD, and Lt. Col. ONDRACEK (fnu), MD, of article, "Epidemic of Czechoslovak Tick Encephalitis in Hradec Kralove Kraj in 1953," comparing clinical aspects of louping ill, Czechoslovak encephalitis, and Russian spring-summer encephalitis.
(VZL, Feb 55)

SO: Sum. 600, 1 Aug. 1955,

PALISA, V.; VALCHOVA, M.; FENCL, V.; ZDARIL, J.

An atypical case of botulism. Bratisl. lek. listy 1 no.1: 711-714 '64

1. Klinika nemoci infekcnich KU [Karlovy university] v Plzni (vedouci: doc. MUDr. V.Palisa, C.Sc.) a Krajska hygienicko-epidemiologicka stanice zapadoceskeho kraje (zastupujici vedouci: MUDr. V.Tomecek).

PALISA, V.

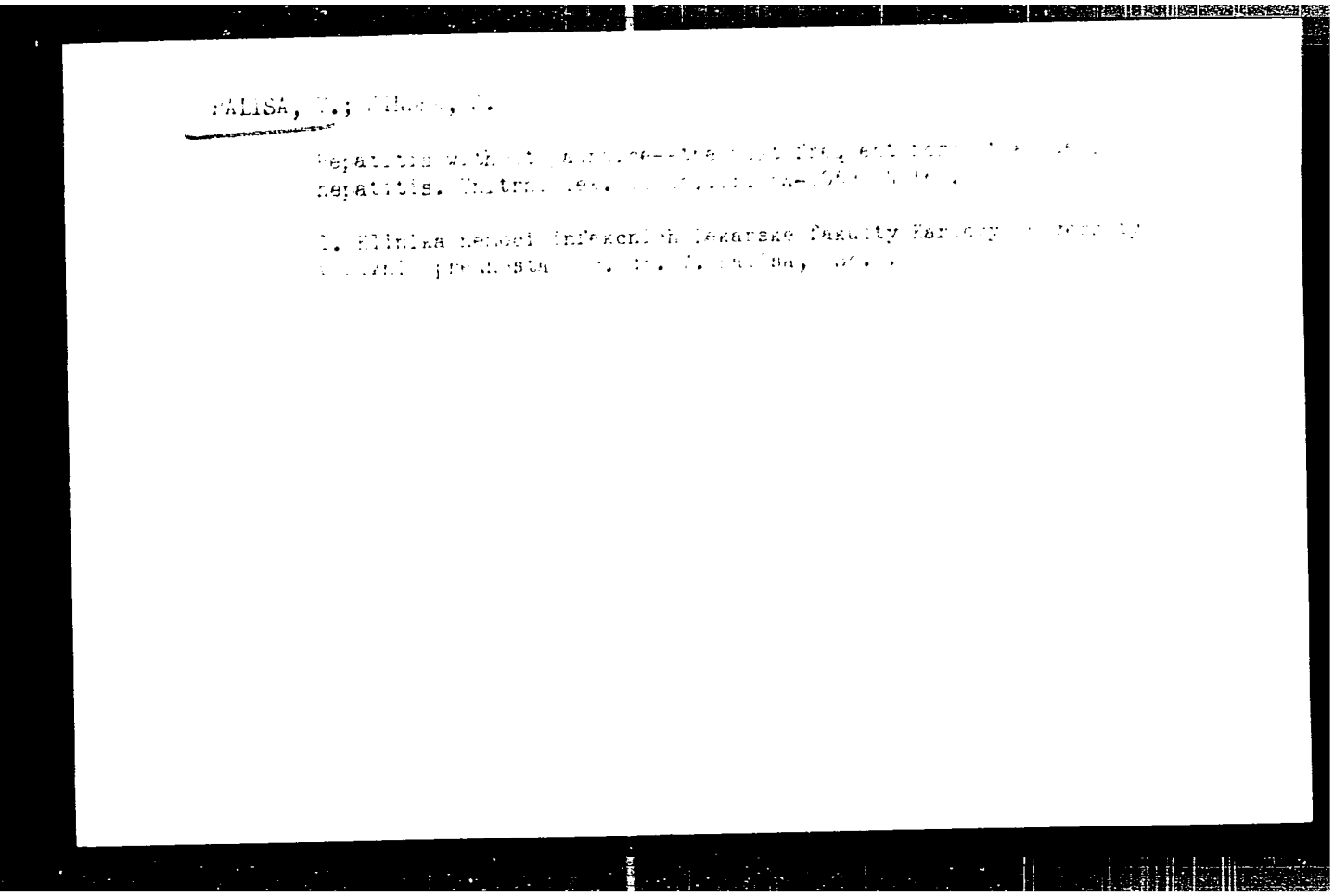
Prognosis in the anicteric form of epidemic hepatitis. Cas. lek. cesk. 103 no.28:794-797 6 Jl '64

1. Klinika nemocí infekčních lékařské fakulty KU [Karlovy university] v Plzni; přednosta: doc. dr. V.Palisa, CSc.

HALISA, .

[illegible] problem of hepatitis [illegible] jaundice. [illegible] Rev. [illegible] 1068-1053 N [illegible].

[illegible] klinika nemoci infekcnich lekarske fakulty Karlovy [illegible] [illegible] prednosta doc. dr. [illegible], CSc..



PALISA, T.; [illegible]

[illegible] hepatitis. [illegible]

1. Klinika infekcnich lekarske fakulty [illegible]

L 31013-66 T JK
ACC NR: AP6023121 SOURCE CODE: CZ/0060/65/000/006/0257/0259

AUTHOR: Palisa, V. (Docent, Doctor, Candidate of sciences); Kolarova, J. (Doctor of medicine); Hruba, R. (Doctor of medicine)

ORG: Clinic of Infectious Diseases, LFKU /headed by Docent, Doctor, Candidate of Sciences Vilem Palisa/, Plzen (Klinika infekcnich nemoci LFKU)

TITLE: Severe bacterial infections found in servicemen

SOURCE: Vojenske zdravotnicke listy, no. 6, 1965, 257-259

TOPIC TAGS: military medicine, disease incidence, bacterial disease, therapeutic medicine, tuberculosis

ABSTRACT: 29 cases of severe infections in which the life of the patient was in danger are discussed. 22 cases were due to bacterial meningitis, 3 to tuberculous meningitis, and 2 each to staphylococcal septicemia and streptococcal sepsis. 5 of these patients died. The danger of tuberculosis and of relapsing bacterial meningitis is discussed. Early diagnosis and correct therapy are required for a successful treatment. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 024

Card 1/1 UDC: 616-022.7:365.33

KANIA, Vladimir; BENYSKOVA, Libuse; ONDRACEK, Jaroslav; PALISA, Vilem

Contribution to the problem of microsedimentation. Cesk.pediat. 14 no.12:1093-1095 D '59.

1. Infekcni klinika lekarske fakulty KU v Hradci Kralove, prednosta doc. MUDr. Jaroslav Ondracek.
(BLOOD SEDIMENTATION)

PALISA, Vilem

An epidemic of atypical nonicteric hepatitis. Cas.lek.cesk 100 no.35: 1108-1112 1 S '61.

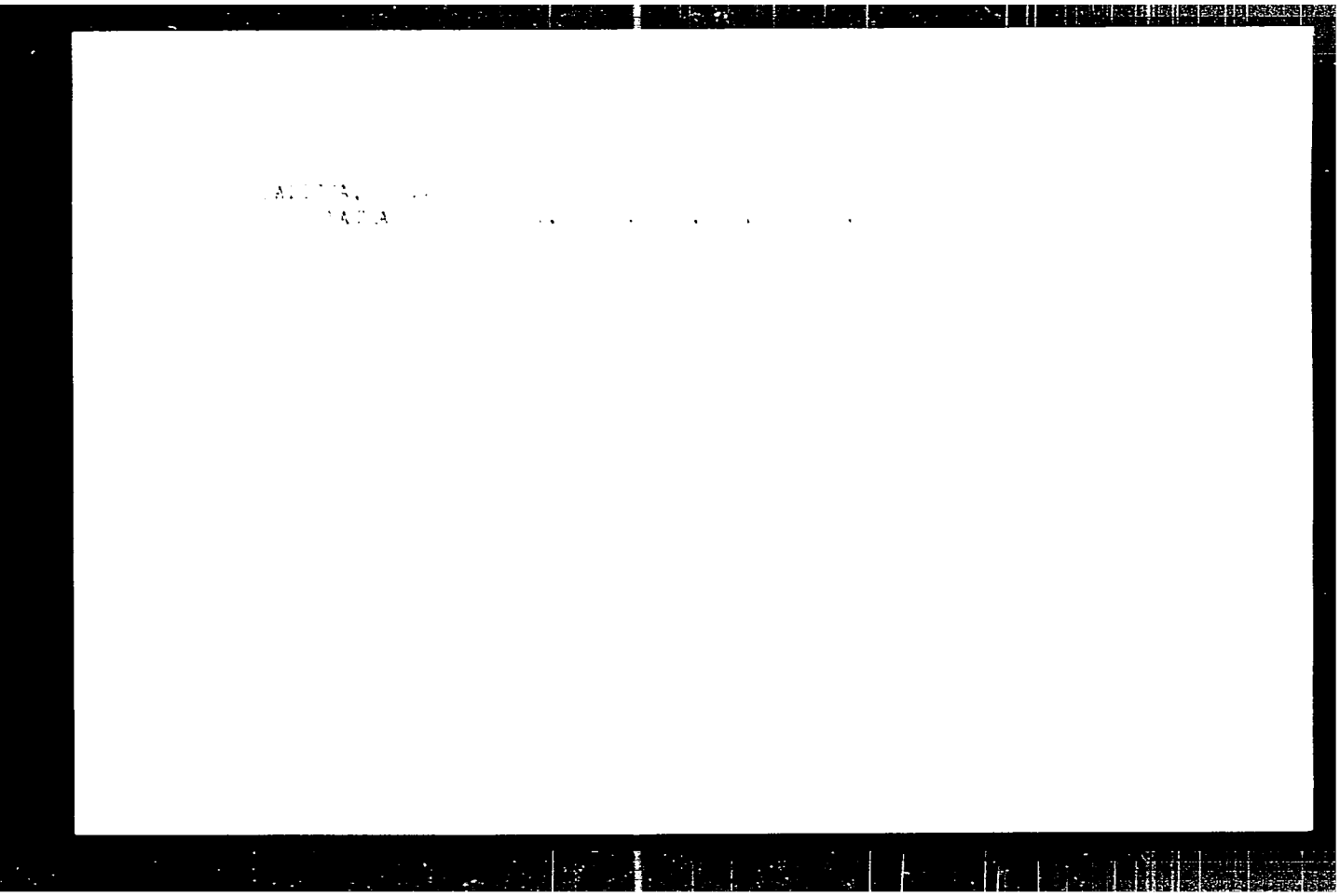
1. Infekcni klinika lekarske fakulty KU v Hradci Kralove, prednosta doc. MUDr. Jaroslav Ondracek.

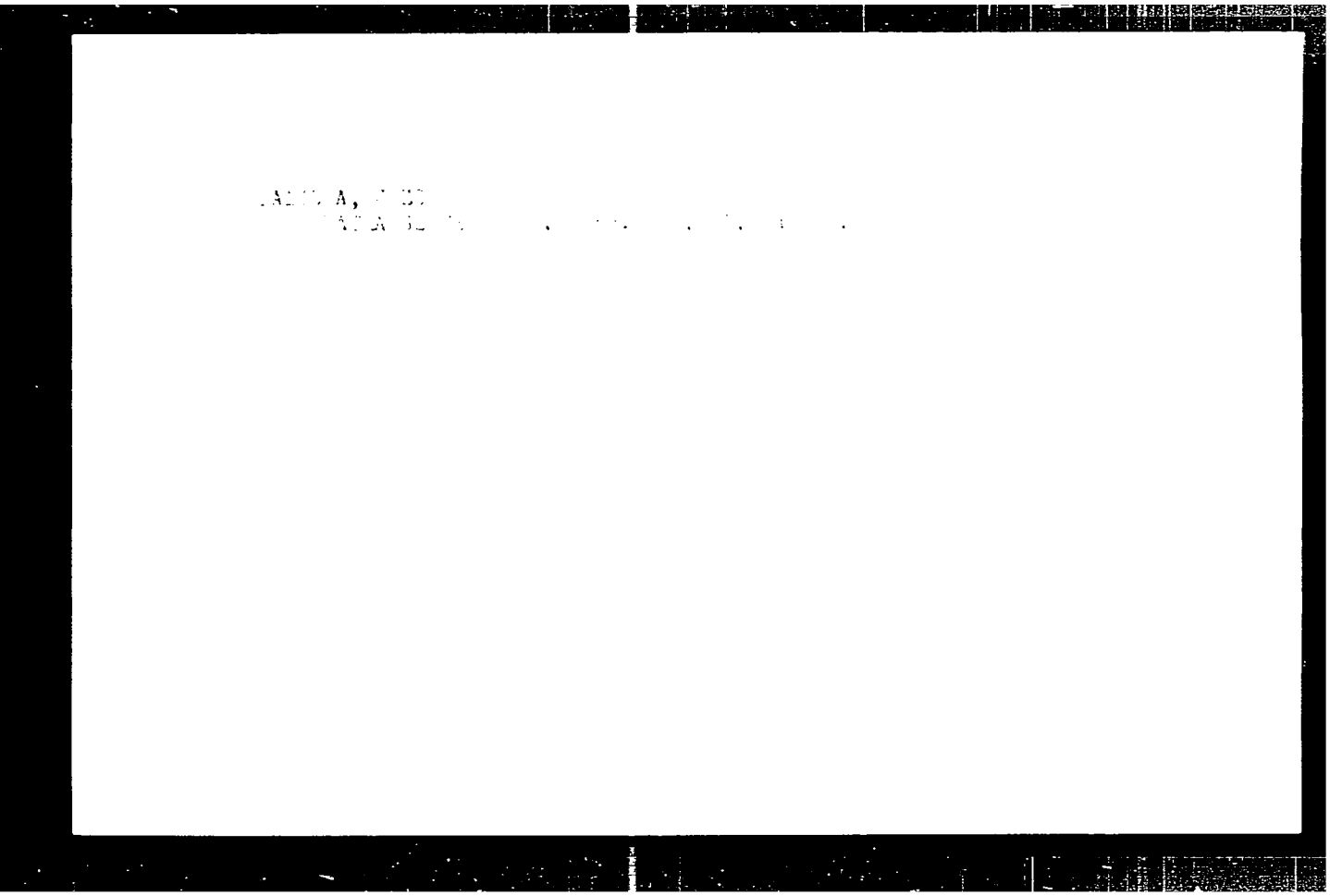
(HEPATITIS epidemiol)

PALISA, Vilem

Apropos of immunity after epidemic hepatitis. Plzen. lek. sborn. 24:61-66 '64

1. Infekcni klinika lekarske fakulty University Karlovy v Plzni (prednosta: doc. dr. V.Palisa, CSc.).





PALISEK, F.

"New technique in the production of drawn wire."

Hutnik. Praha, Czechoslovakia. Vol. 5, no. 10, Oct. 1955.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

PALISEK, F.

PALISEK, F. Problem of an effective use of dies. p. 56.

Vol. 7, no. 2, Feb. 1957
HUTNIK
TECHNOLOGY
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

ALISEK, F.

PALISEK, F. How our ancestors manufactured nails. p. 65.

Vol. 7, no. 2, Feb. 1957
HUTNIK
TECHNOLOGY
Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

PALISEK, Frantisek

Forming of bonding material by carbide cemented tools. Stroj vyr 11 no.9 448-450 S '63.

PALISHEVSKIY, A.G., zasluzhennyy vrach USSR

Activity of a consolidated hospital. Sov.zdrav. 18 no.12 '59.
(MIRA 13:4)

1. Iz Dnepropetrovskoy 1-y gorodskoy klinicheskoy bol'nitsy.
(HOSPITALS)

MALEVICH, Ye.S., dotsent; PALISHEVSKIY, Yu.A.

Clinical importance of anatomical and surgical features of the terminal branch of the facial nerve. Stomatologiia 35 no.1:30-33 Ja-F '56. (MLRA 9:6)

1. Iz kafedry gospital'noy khirurgii (zaveduyushchiy zasluzhennyy deyatel' nauki professor T.Ye.Gnilorybov) i kafedry operativnoy khirurgii i topograficheskoy anatomii (zaveduyushchiy professor Ya.A.Rotenberg) Dnepropetrovskogo meditsinskogo instituta.
(JAWS--SURGERY) (FACIAL NERVE)

PALISHKIN, D.A., inzhener.; KLENIN, N.I., inzhener.

Correcting densimeter readings. Sel'khozmashina no.4:8 Ap '57.
(MLRA 10:4)

1. Moskovskiy Institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.

(Soil mechanics)

FALISHKIN, D.A.; IVANOV, V.I.; MIKHAILENKO, L.L.; GALKOV, K.K.; TROSHCHIN, S.I.; KRIVSYUK, V.I.; STEPANOV, A.D.; SAZONOVA, N.I.; KUZNETSOVA, M.F.; PISARENKO, G.N.; LOBOV, M., red.

[Mechanization in animal husbandry] Mekhanizatsiia v zhivotnovodstve. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1963. 287 p. (MIRA 17:8)

KALISHEVIN, N.A., Cand Tech Sci — (diss) "Study of [illegible] reservoirs at the outlet." Mos, 1959. 23 pp with graphs (Mos Inst of Engineers of Water Resources im V. R. Vil'yams). 1[illegible] copies (KL, 3[illegible]-59, 11[illegible])

[illegible]

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012388

PALISHKIN, N.A., aspirant

Water hammer in a pressure conduit system with a surge tank on a riser pipe. Nauch.zap. MIIVKH 21:109-116 '59. (MIRA 13:8)

(Water hammer) (Surge tanks)

PALISHKIN, N.A., aspirant

Investigation of surge tanks with riser pipes. Mauch.
zap. MIIVKH 21:117-141 '59. (MIRA 13:8)
(Surge tanks)

PALISHKIN, N.A., kand. tekhn. nauk, dotsent

Pressure losses in the lattices of water intakes of hydroelectric power stations. Izv. vys. ucheb. zav.; energ. 6 no.9:99-103 S '63. (MIRA 16:12)

1. Belorruskaya sel'skokhozyaystvennaya akademiya.

PALISHKIN, N.A., kand.tekhn.nauk

Effect of a by-pass on operation of a leveling tank. Izv.ucheb. zav.; energ. 3 no.4:133-138 Ap '60. (MIRA 13:6)

1. Belorusskaya sel'skokhozyaystvennaya akademiya. Predstavlena kafedroy vodosnabzheniya i gidravliki.
(Hydraulics)

PALLSHKIN, N.A., insh.

Analytical methods for designing equalizing reservoirs with resistance and their analysis. Izv.vys.uchev.zav.,energ. no.8:121-126 Ag '58. (MIRA 11:11)

1. Belorusskaya sel'skokhozyaystvennaya akademiya.
(Reservoirs)

L 62830-65 EWT(m)/EPF(c)/EPR/EWP(j) Pc-4/Pr-4/Ps-4 WW/JAJ/RM
ACCESSION NR: AP5019047 UR/0286/65/000/012/0075/0075
678.674.028.294

AUTHOR: Levitskaya, O. M.; Novikova, T. V.; Palishkina, R. D. 30

TITLE: A method for hardening unsaturated polyester resins. Class 39, No. 172039

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 75

TOPIC TAGS: resin, polyester resin, polymer

ABSTRACT: This Author's Certificate introduces a method for hardening unsaturated polyester resins in the presence of a cobalt resinate and a peroxide initiator. The process is simplified by adding the cobalt resinate to the unsaturated polyester resin during synthesis at 180-190°C.

ASSOCIATION: none

SUBMITTED: 12Jun64 ENCL: 00 SUB CODE: MT, GC

NO REF SOV: 000 OTHER: 000

Card 1/1

(A) L 12914-66 EWT(m)/EWP(j) RM

ACC NR: AP6000957 SOURCE CODE: UR/0286/65/000/022/0041/0042

AUTHORS: Novikova, T. V.; Tarasov, A. I.; Levitskaya, O. M.; Palishkina, R. D.

44,55 44,55 44,55 44,55

ORG: none

TITLE: A method for obtaining varnish coatings. Class 22, No. 176345

44,55 15 31 B

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 41-42

TOPIC TAGS: varnish, maleic acid, polyester, styrol, glycerin

ABSTRACT: This Author Certificate presents a method for obtaining varnish coatings based on polyester maleinate resin and styrol. To prevent stickiness of the coating, to increase its durability, and to shorten the hardening time of the varnish, a polyester of saturated two-base acid and allyl ester of glycerin, such as polyallyl glycerin phthalate, are added to the above ingredients.

SUB CODE: 11/ SUBM DATE: 01Jun64

Card 1/1 HW UDC: 667.6:678.766.44

ZAMORZAYEV, A.M.; PALISTRANT, A.F.

Mosaics for 167 two-dimensional Shubnikov groups (lower of three kinds). Kristallografiia 6 no.2:163-176 Mr-Ap '61. (MIRA 14:9)

1. Kishinevskiy gosudarstvennyy universitet.
(Crystallography, Mathematical)

ZAMORZAYEV, A.M.; PALISTRANT, A.F.

Two-dimensional Shubnikov groups. Kristallografiia 5 no.4:517-524 Jl-Ag '60. (MIRA 13:9)

1. Kishinevskiy gosudarstvennyy universitet.
(Lattice theory)

PALISTRANT, A.F.

Symmetry and antisymmetry groups of layers. Kristallografiia 8 no.5:783-785 S-O '63. (MIRA 16:10)

1. Kishinevskiy gosudarstvennyy universitet.

PALISTRANT, A.F.; ZAMORZAYEV, A.M.

Symmetry groups and various kinds of antisymmetry of border ornaments. Kristallografiia 9 no.2:155-161 Mr-Ap'64. (MIRA 17:5)

1. Kishinevskiy gosudarstvennyy universitet.

ZAM[illegible], A.M., [illegible], A.F.

Number of genera[illegible] [illegible]
9 no.6:778-78[illegible] N-D '[illegible].

[illegible]

APPROVED FOR RELEASE: Tuesday, August 01, 2000 CIA-RDP86-00513R0012388

PALISTRANT, A.F.

Plane point symmetry groups and various types of antisymmetry.
Kristallografiia 10 no.1:3-9 Ja-F '65.
(MIRA 18:3)

1. Kishinevskiy gosudarstvennyy universitet.

PALISTRANT, A.F.; ZAMORZAYEV, A.M.

Groups of symmetry and antisymmetry of layers. Kristallografiia 8 no.2:166-173 Mr-Ap '63. (MIRA 17:8)

1. Kishinevskiy gosudarstvennyy universitet.

84685

24360 2209, 1158, 1144 S/051/60/009/005/006/019
E201/E191

AUTHORS: Perlin, Yu Ye. and Palistrant, M Ye.

TITLE: On the Theory of Photoionization of F-Centres

PERIODICAL: Optika i spektroskopiya, 1960, Vol 9, No 5, pp 608-[illegible]

TEXT: Continuous states of the F-centre spectrum are interpreted by the present authors as polarons moving in the screened Coulomb field of an anion vacancy. The probability of photoionization by transitions from the F-centre ground state is calculated. It is shown that due to participation of phonons in phototransitions, the dependence of the ionization probability on the frequency of absorbed light is an asymmetrical curve with a maximum. The long-wavelength end of this curve is similar to the Pekar curve (Ref. 5) for phototransitions in the discrete spectrum, the short-wavelength end of the authors' curve falls more smoothly than the Pekar curve. With increase of temperature the magnitude of the ionization probability maximum decreases and the half-width of the probability curve increases.

Card 1/

84685

S/051/60/009/005/006/019
E201/E191

On the Theory of Photoionization of Excitons

The calculated frequency dependences of the ionization probability for a KCl crystal at 76 °K (curve 1) and [illegible] °K (curve 2) are given in a figure on page 614. Curve 1 is very similar to an experimental dependence reported by Ivanov (Ref. 1).
There are 1 figure and 5 references: 4 Soviet and 1 English.

SUBMITTED: February 16, 1960

Card 1/1

L 4507-66 EWT(1) IJP(c) GG

ACC NR: AP5024697 SOURCE CODE: UR/0056/65/049/003/0770/0780

AUTHOR: Moskalenko, V. A.; Palistrant, M. Ye.

ORG: Moscow State University (Moskovskiy gosudarstvennyy universitet); Mathematical Institute of the Academy of Sciences, Moldavian SSR (Matematicheskiy institut Akademii nauk, Moldavskoy SSR)

TITLE: Determination of the critical temperature of an impure superconductor by the use of the two-band model

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 3, 1965, 770-780

TOPIC TAGS: superconductor, impurity, critical temperature, energy band

ABSTRACT: A theoretical investigation was made of the influence of a nonmagnetic impurity on the superconducting transition temperature of a metal with overlapping energy bands. Since the single-band model approximation was not applicable, a method developed earlier by one of the authors (V. A. Moskalenko, FMM, 8, 503, 1959) and also by Suhl et al. (Phys. Rev. Lett. 3, 552, 1959) was applied. A weak electron-phonon coupling was assumed, and single-particle green-function elements which are nondiagonal to the band indices were neglected. It was demon-

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L 4507-66

ACC NR: AP5024697

strated that, due to interband electron scattering on the impurity, a significant change occurs in the magnitude of the critical temperature. For the range of small impurity concentrations, a lowering of the transition temperature was predicted. The results can be applied to d- and s-band overlapping in transition metals and to s- and p-band overlapping in metals of the main groups in the periodic system. Orig. art. has: 44 formulas. [ZL]

SUB CODE: EM,NP/SUBM DATE: 18Nov64/ ORIG REF: 006/ OTH REF: 004

ATD PRESS: 4130

Card 2/2

0004

L 35901-66 EWT(d)/EWT(1)/EWA(m)/EWP(t)/ETI IJP(c) JD/WW/GG

ACC NR: AP6007355 SOURCE CODE: UR/0126/66/021/002/0280/0281

72
71
6

AUTHORS: Palistrant, M. Ye.; Moskalenko, V. A.

ORG: Institute of Physics and Mathematics, AN Moldavian SSR (Institut fiziki i matematiki AN Moldavskoy SSR)

TITLE: Determining the critical temperature of superconductors with paramagnetic impurities

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 2, 1966, 280-281

TOPIC TAGS: superconductivity, critical temperature, paramagnetic impurity, Green function, ELECTRON INTERACTION

ABSTRACT: The effect of interelectron interaction retardation on the critical temperature of a superconductor with a paramagnetic impurity is considered. The equation for the coupled state of a pair of electrons (or holes) with opposite momenta and spins and zero coupling energy is

$$f_{\alpha\beta}(x_1 - x_2) = \int_0^\beta \int dy_1 dy_2 \sum_{\beta_1,\beta_2} \overline{G_{\alpha\beta_1}(x_1 y_1)\, G_{\beta\beta_2}(x_2 y_2)}\; B_0(y_1 - y_2)\; f_{\beta_1\beta_2}(y_1 - y_2).$$

where G(xy) is the single electron Green function in the presence of an impurity, B_0 is the zero phonon Green function, and the bar indicates an average over impurity atom sites and spin orientations. The kernel of the integral equation is

UDC: 537.312.62:538.01

Card 1/2

L 35901-66

ACC NR: AP6007355

evaluated. The critical temperature T_c for small impurity concentrations is given by

$$T_c = T_c^0 - \frac{\pi}{4\tau_s} + a\frac{T_c^0}{\tau_s},$$

where T_c^0 is the critical temperature for the pure metal, τ_s is the relaxation time, and a has the form

$$a = \lim_{\beta \to -2\bar{B}_0^2(p_F, p_F/0)} \frac{1}{} \oint_c \frac{\bar{B}_0(p_F, p_F/-z)\,\bar{B}_0(p_F, p_F/z)}{z^2(1+e^{\beta z})}.$$

Here p_F is the magnitude of the momentum and the contour c encloses the singularities of the numerator of the integrand. The ratio of the paramagnetic impurity contributions with and without consideration of the interelectron interaction retardation is about 0.03 for a majority of superconducting metals. Orig. art. has: 6 equations.

SUB CODE: 20/ SUBM DATE: 28Sep64/ ORIG REF: 003

Card 2/2

S/058/62/000/005/076/119
A061/A101

AUTHOR: Pallistrant, M. Ye.

TITLE: Problem of the infrared luminescence of the F_2 center

PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 17, abstract 5D158 ("Izv. Mold. fil. AN SSSR", 1966, no. 3(69), 91 - 96; Moldav. summary)

TEXT: Results obtained previously by Pekar, Deygen, and Vinetskiy (see RZhFiz, 1957, no. 10, 26044) have been taken as the basis for calculations of Stokes's displacement Δ and the (low-temperature) half-width γ of luminescence bands of the F_2 center in a KCl crystal. The values obtained are $\Delta = 0.81$ ev and $\gamma = 0.24$ ev as against the following experimental data available in the literature: $\Delta = 0.87$ ev, $\gamma = 0.25$ or 0.15 ev. The probabilities of optical ($1.734 \cdot 10^9$ sec^{-1}) and radiationless transitions in the unit time, and the quantum yield of luminescence between 80 and 270°K have also been calculated. The results are presented in a table which shows, in particular, that luminescence at low temperatures (~ 80 - 190°K) has a quantum yield approaching unity, which rapidly drops to 0.4473 at 270°K.

V. Strizhevskiy

[Abstracter's note: Complete translation]

Card 1/1

L 1641-66 EWT(1) IJP(c) GG

ACCESSION NR: AP5014849 UR/0020/65/162/003/0539/0542

AUTHORS: Moskalenko, V. A.; Palistrant, M. Ye. 44,55 44,55 39 B

TITLE: Determination of the critical temperature of a superconductor with electric impurity 21,44

SOURCE: AN SSSR. Doklady, v. 162, no. 3, 1965, 539-542

TOPIC TAGS: superconductivity, critical temperature, electric impurity, impurity effect

ABSTRACT: The authors consider a two-band model of a superconductor on the basis of the Froehlich Hamiltonian, and show, under the assumption that the impurity is electric, that interband scattering by the impurity results in an appreciable change in the critical temperature of the superconductor. The proof is based on a method used by one of the authors earlier (Moskalenko, FTT v. 4, 2770, 1962) to determine the critical temperature, supplemented by an account of the band overlap and of the impurity. Umklapp processes are neglected

Card 1/2

L 1641-66

ACCESSION NR: AP5014849

18

and the weak-coupling approximation is used. 'The authors thank N. N. Bogolyubov, D. N. Zubarev, and S. V. Tyablikov for interest and advice, and L. P. Gor'kov for critical remarks and discussions.' This report was presented by N. N. Bogolyubov. Orig. art. has: 24 formulas.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University); Matematicheskiy institut Akademii nauk MSSR (Mathematics Institute, Academy of Sciences, MSSR).

SUBMITTED: 04Nov64 ENCL: 00 SUB CODE: SS

NR REF SOV: 005 OTHER: 002

Card 2/2

L 10029-63 EWT(1)/BDS/EEC(b)-2--AFFTC/ASD/ESD-3--Pi-4--IJP(C)

ACCESSION NR: AR3000358 S/0058/63/000/004/E043/E043

SOURCE: RZh. Fizika, Abs. 4E285

60

AUTHOR: Palistrant, M. Ye.

TITLE: On the theory of nonradiative transitions in an F-center

CITED SOURCE: Izv. AN MoldSSR, no. 5, 1962, 71-77

TOPIC TAGS: F-centers, nonradiative transitions, Green's quantum functions

TRANSLATION: The method of Green's quantum functions is used to estimate the probabilities of nonradiative transitions in an F-center with allowance for the variation of the equilibrium positions and the frequencies of the photons in the electron transition. For this purpose, equations are derived for the Green's functions, and even an approximate solution of these equations is found.

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AUTHOR: Palistrant, M.Ye.

TITLE: Contribution to the theory of F bands in ionic crystals. Calculations taking into account higher approximations of adiabatic theory

SOURCE: Optika i spektroskopiya, v.15, no.6, 1963, 785-791

TOPIC TAGS: F band, F center, band moment, electronic transition, phonon, phonon frequency, adiabatic theory, lattice vibrations, band shape, transition matrix element.

ABSTRACT: According to M.Lax (J.Chem.Phys.20,1752,1952) the shape of the optical bands of F centers can be characterized by a function that contains the phonon Hamiltonians corresponding to the initial and final electron states and the matrix elements of the electron transitions between these states. In an earlier paper by the author in collaboration with S.V.Tyablikov and V.A.Moskalenko (Tezisy* dokladov na V Vses.Soveshchanii po teorii poluprovodnikov,Baku,1962) there were derived expressions for the first moment of the F band, taking into account changes in the equilibrium position of the phonons and their renormalized frequencies. Account was al-

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so taken of the influence of the central field and the effect of anharmonicity of the lattice vibrations. The purpose of the present paper was to extend the earlier treatment, taking into account further small corrections stemming from higher approximations of adiabatic theory that may be of the same order of magnitude as the terms considered in the earlier study. In view of the complexity of the problem of taking into account all the possible factors involved, the present treatment is restricted to the specific purpose of determining the temperature dependence of the first moment and to establishing which of the considered factors are responsible for the different distinctive features of the F bands. Thus, there are derived expressions for the first spectral moments of the F bands, taking into account changes in the equilibrium position of the phonons and the frequency of the phonons in the electronic transition, as well as the anharmonicity of the lattice vibrations as they enter into the electron-phonon interaction Hamiltonian. Also taken into account is the dependence of the electron wave functions on the phonon coordinates. The results of taking into account these additional factors are discussed. "In conclusion the author expresses his heartfelt gratitude to V.A.Moskalenko for valuable advice." Orig.art.has: 41 formulas.

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